

CONFIDENTIAL

KANSAS CORPORATION COMMISSION
OIL & GAS CONSERVATION DIVISION

WELL COMPLETION FORM
WELL HISTORY - DESCRIPTION OF WELL & LEASE

RECEIVED ORIGINAL

AUG 31 2010

Form ACO-1
June 2009

Form Must Be Typed
Form must be Signed
Blanks must be Filled

KCC WICHITA

8/30/12

OPERATOR: License # 4767

Name: Ritchie Exploration, Inc.

Address 1: P.O. Box 783188

Address 2: _____

City: Wichita State: KS Zip: 67278 + _____

Contact Person: John Niernberger

Phone: (316) 691-9500

CONTRACTOR: License # _____

Name: _____

Wellsite Geologist: _____

Purchaser: NCRA

Designate Type of Completion:

- New Well
- Re-Entry
- Workover
- Oil
- WSW
- SWD
- SLOW
- Gas
- D&A
- ENHR
- SIGW
- OG
- GSW
- Temp. Abd.
- CM (Coal Bed Methane)
- Cathodic
- Other (Core, Expl., etc.): _____

If Workover/Re-entry: Old Well Info as follows:

Operator: Ritchie Exploration, Inc

Well Name: Hess-Shipley 1

Original Comp. Date: 7/25/09 Original Total Depth: 4618

- Deepening
- Re-perf.
- Conv. to ENHR
- Conv. to SWD
- Conv. to GSW

Plug Back: _____ Plug Back Total Depth _____

Commingled Permit #: _____

Dual Completion Permit #: _____

SWD Permit #: _____

ENHR Permit #: _____

GSW Permit #: _____

6/11/2010 6/18/10 6/18/10

Spud Date or Date Reached TD Completion Date or
Recompletion Date Recompletion Date

API No. 15 - 063-21790-000

Spot Description: 7'S & 62' W of NW NW SW

NW - NW - NW - SW Sec. 28 Twp. 13 S. R. 31 East West

2,482 Feet from North / South Line of Section

103 Feet from East / West Line of Section

Footages Calculated from Nearest Outside Section Corner:

- NE
- NW
- SE
- SW

County: Gove

Lease Name: Hess-Shipley Well #: 1

Field Name: _____

Producing Formation: LKC & Johnson

Elevation: Ground: 2884' Kelly Bushing: 2853'

Total Depth: 4618' Plug Back Total Depth: 4579'

Amount of Surface Pipe Set and Cemented at: 220 Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set: 2314 Feet

If Alternate II completion, cement circulated from: surface

feet depth to: 2314 w/ 330 sx cmt.

Drilling Fluid Management Plan

(Data must be collected from the Reserve Pit)

Chloride content: _____ ppm Fluid volume: _____ bbls

Dewatering method used: _____

Location of fluid disposal if hauled offsite: _____

Operator Name: _____

Lease Name: _____ License #: _____

Quarter _____ Sec. _____ Twp. _____ S. R. _____ East West

County: _____ Permit #: _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 apply. Information of side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form (see rule 82-3-107 for confidentiality in excess of 12 months). One copy of all wireline logs and geologist well report shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

AFFIDAVIT

I am the affiant and I hereby certify that all requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature: _____

Title: Production Manager Date: 8/30/10

KCC Office Use ONLY

Letter of Confidentiality Received

Date: 8/30/10 - 8/30/12

Confidential Release Date: _____

Wireline Log Received

Geologist Report Received

UIC Distribution

ALT I II III Approved by: NS Date: 9-9-10

NS
WD

Operator Name: Ritchie Exploration, Inc. Lease Name: Hess-Shipley Well #: 1
 Sec. 28 Twp. 13 S. R. 31 East West County: Gove

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed. Attach complete copy of all Electric Wire-line Logs surveyed. Attach final geological well site report.

Drill Stem Tests Taken <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i> Samples Sent to Geological Survey <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Submitted Electronically <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <i>(If no, Submit Copy)</i> List All E. Logs Run:	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample Name Top Datum (See Attached Document)
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CASING RECORD <input checked="" type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12-1/4	8-5/8	23	220'	common	165	3%cc,2% gel
Production	7-7/8	5-1/2	15.5	4613'	ASC	200	10%sale,2%gel&3/4% CD-31

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	4451.5' - 4455' (6/11/2010)	1500 Gal 15% NE Acid w/Cla-Sta (6/14-6/17/10)	
4	4055' - 4060' (8/13/09)	500 Gal 15% NE Acid (6/15/10)	

TUBING RECORD: Size: <u>2 7/8"</u> Set At: <u>4569'</u> Packer At: <u>n/a</u> Liner Run: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Date of First, Resumed Production, SWD or ENHR. <u>6/18/10</u>	Producing Method: <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain) _____
Estimated Production Per 24 Hours	Oil Bbls. <u>35.10</u> Gas Mcf _____ Water Bbls. <u>16.51</u> Gas-Oil Ratio _____ Gravity <u>37.6</u>

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input checked="" type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input checked="" type="checkbox"/> Commingled <i>(Submit ACO-5) (Submit ACO-4)</i> <input type="checkbox"/> Other (Specify) _____	PRODUCTION INTERVAL: _____ _____
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#1 Hess-Shipley

2482' FSL & 103' FWL

7'S & 62'W of C NW NW NW SW Section 28-13S-31W

Gove County, Kansas

API# 15-063-21790-0000

Elevation: 2848' GL: 2853' KB

<u>Sample Tops</u>			<u>Ref.</u>	<u>Well</u>
Anhydrite	2328'	+525	flat	
B/Anhydrite	2350'	+503	+2	
Heebner	3846'	-993	-4	
Lansing	3893'	-1040	-4	
Lansing "C"	3927'	-1074	-5	
Lansing "D"	3942'	-1089	-2	
Muncie Shale	4041'	-1188	-5	
Lansing "H"	4056'	-1203	-6	
Lansing "I"	4087'	-1235	-6	
Lansing "J"	4109'	-1256	-5	
Stark Shale	4127'	-1274	-3	
BKC	4200'	-1347	-4	
Altamont	4248'	-1395	-4	
Pawnee	4329'	-1476	-9	
Myric Station	4364'	-1511	-9	
Cherokee Shale	4409'	-1556	-9	
Johnson	4450'	-1597	-8	
Base Johnson	4472'	-1619	-9	
Mississippian	4494'	-1641	+3	
RTD	4620'	-1767		

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